



MEETING NOTES

Type of Meeting:	Weekly Construction Progress Meeting
Project Name:	EMJ Early Action Removal Action
Anchor Project #:	080224-01.02
Meeting Location:	Pacific Pile & Marine Trailer at JFC Facility

Date	Start	End	Meeting Led By:	Mike Roberts, PE, CCM
9/17/14	10:10 am	10:45 am	Meeting Note-Taker:	Mike Roberts, PE, CCM

Attendees: All attendees listed will receive a copy of the meeting notes.

Farallon	Anchor QEA	Pacific Pile & Marine (PPM)	EPA / USACE
<input checked="" type="checkbox"/> Amy Essig Desai (t)	<input checked="" type="checkbox"/> Mike Roberts	<input checked="" type="checkbox"/> Wilbur JC Clark	<input checked="" type="checkbox"/> Becky Chu (EPA)
<input checked="" type="checkbox"/> Rich McManus (t)	<input checked="" type="checkbox"/> Ryan Barth	<input type="checkbox"/> Marty Locke	<input type="checkbox"/> Erika Hoffman (EPA)
<input type="checkbox"/>	<input type="checkbox"/> David Templeton	<input type="checkbox"/>	<input type="checkbox"/> Karen Keeley (EPA)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Elizabeth Appy (t)	<input type="checkbox"/>	<input checked="" type="checkbox"/> Rob Wilkins (USACE)
<input type="checkbox"/>	<input type="checkbox"/> Bruce McDonald	<input type="checkbox"/>	<input type="checkbox"/> David Clark (USACE)
	<input checked="" type="checkbox"/> Ross Pickering (t)		
	<input type="checkbox"/> Kyle King		

(t): Participated by telephone

Discussion:

Summary of Work Elements

The schedule from last week was reviewed during the meeting. In water work was complete on September 13. The site and Pacific Pile & Marine (PPM) Transload Facility is being demobilized this week and next.

(b) (6). During this time, Marty Locke will be the primary point of contact for PPM. Becky Chu will be out of contact from October 9 through October 13.

1. Shoreline Bank Excavation

- Complete

2. Transload Facility at PPM Yard.

- Following the demobilization of the water treatment barge (see below), the PPM Transload Facility will be demobilized as detailed in the Removal Action Work Plan (RAWP). This is expected to occur during the week of September 22.

3. In-water Backfill Placement

- Work was completed on September 13, with placement in isolated areas with elevations below the design backfill elevations. Survey was provided by TerraSond on September 17, just prior to the meeting. Anchor QEA will review this survey and provide comment.

4. Shoreline Containment

- Work was completed on September 13.
- Prior to the meeting, Becky Chu witnessed 3 river otters along in the waterway within the Removal Action Boundary.

5. General Site Demobilization

- Office trailers will be removed early next week. The survey base station is tied into the PPM field trailer.
- The wheel wash removal is pending the arrival of a 5,000 gallon water truck to be used to empty the wheel wash. This will occur on September 18 or 19 and the fluids will be transported directly to US Ecology in Idaho for appropriate disposal.
- Pape (equipment company) will perform removal of remaining PPM upland equipment at the site.

6. Water Treatment Barge

- PPM initiated demolition of the Water Treatment Barge (WTB) today, and will work through Friday, September 19. Sand and granular activated carbon (GAC) filter media are being transferred by a

vactor truck, and the media will be transported to either the Columbia Ridge Landfill or Greater Wenatchee Regional Landfill. Both of these facilities have been approved by the U.S. E an approved landfill. EPA is good with Ophelia, Columbia Ridge, and US Ecology.

7. Water Quality.

- a. No recent water quality results to report by Elizabeth Appy.
- b. Construction activities resulted in no exceedance for metals or total polychlorinated biphenyls (PCBs).

8. Shoreline Bank and Sediment Z-layer Sample Results

- a. Shoreline bank: Six surface (0-1 foot) samples were collected at approximately 15 feet mean lower low water (MLLW) elevation along the shoreline bank following excavation and prior to placement of overlying shoreline containment materials. Following collection of each sample, a design thickness (excluding actual over-placement thicknesses) of 1.5 feet of overlying filter material amended with 0.5 percent by weight GAC and 2.5 feet of overlying rip rap was placed. The identified chemical concentrations were similar to the soil concentrations identified in upland borings located near the top of bank. A figure showing the sampling locations and tables summarizing the collection information and analytical data is included in Attachment A.
- b. Sediment: Six surface (0 to 1 foot) samples were collected within the RAB prior to placement of overlying backfill and one sample was collected within the cofferdam footprint. Locations PDS-2 through PDS-6 were covered by a design thickness of 4 to 8 feet of backfill, whereas locations PDS-1 and PDS-7 were overlain by a design thickness of 1.5 feet of overlying filter material amended with 0.5 percent by weight GAC and 2.5 feet of rip rap. The total PCBs chemical concentrations identified in the 6 samples were below the Construction Quality Assurance Plan (CQAP)-identified 240 milligrams per kilogram (normalized for organic carbon content; mg/kg OC) threshold, whereas the total PCBs concentration at the single location within the cofferdam exceeded the threshold. A figure showing the sampling locations and tables summarizing the collection information and analytical data is included in Attachment A.

9. Change Orders.

- a. Change Order 5. Includes additional payment for over-excavation along a portion of the shoreline toe of slope and associated backfill. JC will provide the backup for this change order following the meeting.
- b. Change Order 4. Extension of contract time for substantial completion from September 6 through 13. This change order was provided to PPM following the meeting for execution.

10. Progress payment

- a. Mike Roberts and JC have signed the 4th progress payment and it will be forwarded to Amy Essig Desai later today.

11. Site Restoration and Permanent Fence

- a. Site restoration will continue this week and a site walk will be performed with Miles Dyer of the Jorgensen Forge Corporation.
- b. The fencing subcontractor has a possible work window next week or the following week. The fence is not required as part of the removal action scope.

12. EPA Pre-Final inspection

- a. EPA and Farallon to coordinate on the date for the EPA pre-final inspection. This is tentatively set for some time in October following completion of all demobilization and site restoration activities.

Action Items:

Item	Description	Due by	BIC
1	Provide survey showing volume of shoreline bank over excavation and associated backfill placement	9/3/14	PPM
2	Review layout of fencing with Miles Dyer prior to installation	9/15/14	AQ
3	Conduct pre-final inspection with EPA	10/1/14	Farallon
4	Report on findings from Z-layer sampling	9/16/14	AQ

Prior to the meeting, JC Clark provided the following punchlist of items to be completed. This list has yet to be reviewed by Anchor QEA, but is provided for schedule reference.

ITEM NO.	DESCRIPTION	ESTIMATED COMPLETION DATE
1	Affidavit from CalPortland regarding filter material	19-Sep
2	5lb samples from CalPortland	19-Sep
3	Final Filter Material Survey	18-Sep
4	Final Armor Material Survey	18-Sep
5	Final Backfill Material Survey	18-Sep
6	Project As-Built Drawings	3-Oct
7	Removal of wheel wash water from JFC	17-Sep
8	Removal of wheel wash from JFC	17-Sep
9	Demobilization of equipment from JFC	19-Sep
10	Demobilization of office trailers from JFC	22-Sep
11	Removal of water and sediment from WTS	9/17-9/18
12	Demobilization of WTS	9/22-9/24
13	Demolition and Disposal of PPM Transload Facility	9/25-9/26
14	Installation of Permanent Fencing	6-Oct
15	Finalize outstanding Change Orders	19-Sep
16	Submit Final Pay Application	6-Oct